

In re Application of WILLIAMS et al.
Serial No. 09/849,170

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Listing of the Claims:

1. (currently amended): A computer system, comprising,
a writing instrument that generates using a ballistic information generator,
movement information including acceleration information from a user's handwriting;
and
a conversion component that utilizes the acceleration information to
generate line thickness information.
2. (original): The computer system of claim 1, wherein the writing
instrument is a pen.
3. (previously presented): The computer system of claim 1, wherein the
writing instrument comprises an accelerometer configured to generate the
acceleration information.
4. (previously presented): The computer system of claim 3, wherein the
accelerometer generates analog movement information, and wherein the writing
instrument comprises an analog-to-digital converter for converting the analog
movement information to digital data.

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5. (original): The computer system of claim 4, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.
6. (original): The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.
7. (original): The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.
8. (original): The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.
9. (currently amended): A computer system, comprising,
a writing instrument that generates, using a ballistic information generator,
movement information including acceleration information from a user's handwriting;
and
a conversion component that utilizes the acceleration information to
generate line thickness information based upon spacing of plots in a map of a plot
of the movement information.
10. (original): The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

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11. (original): The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

12. (previously presented): The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13. (original): The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14. (original): The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15. (original): The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16. (original): The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

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17. (currently amended): The computer system of claim 3 9, wherein the movement information comprises tilt information.

18. (previously presented): A computer system, comprising,
a writing instrument that generates movement information including acceleration and tilt information from a user's handwriting; and
a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the tilt information.

19. (original): The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

20. (original): The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21. (previously presented): The computer system of claim 1, wherein the movement information comprises pulses having wavelengths.

22. (original): The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.

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